



# STUDENT REPORT

## DETAILS

Name

ZIHAN

Roll Number

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## EXPERIMENT

Title

TOSS AND SCORE

Description

You are playing a game of Toss and Score in the Hillwood City Mall with your friends. The game consists of the following rules:

Toss an unbiased coin multiple times.

For each heads you get 2 points and for each tails you lose 1 point.

The game ends as soon as you get 3 heads in a row, or you toss the coin throughout the length of string S.

You have been given a string S consisting of letters H (for heads) and T (for tails) denoting the sequence results you get on the toss of coin N times. Your task is to find and return an integer value representing the final score you get once the game ends.

**Note:** The final score can be negative too.

**Input Specification:**

**Input1:** A string S. representing the sequence of results you get on the toss of coin N times.

**Sample Input:**

HHHTT

**Output:**

6

## RESULT

5 / 5 Test Cases Passed | 100 %

Source Code:

```
def final_score(s):
    score = 0
    consecutive_heads = 0

    for result in s:
        if result == 'H':
            score += 2
            consecutive_heads += 1
            # Check for 3 consecutive heads
            if consecutive_heads == 3:
                break
        elif result == 'T':
            score -= 1
            consecutive_heads = 0 # Reset if tails

    return score

# Sample input
s = input().strip() # Read the sequence of toss results

# Get the result
result = final_score(s)

# Print the result
print(result)
```